

## **SUBSTITUTE ABSTRACT**

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### **METHOD FOR COMPUTING MODELS BASED ON ATTRIBUTES SELECTED BY ENTROPY**

#### **ABSTRACT OF THE DISCLOSURE**

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Attributes of a data set to be employed in generating a predictive model are analyzed based  
5 on entropy, chi-square, or similar statistical measure. A target group of samples exhibiting one or  
more desired attributes is identified, then remaining attribute values for the target group are  
compared to corresponding attribute values for the whole sample population. A subset of all  
available attributes is then selected from those attributes which exhibit, when comparing attribute  
values of target group samples to attribute values for the whole sample population, the greatest  
10 relative difference or divergence. This subset is employed to generate the predictive model.  
Efficiency in generating the predictive model and the accuracy of the resulting predictive model is  
improved, since fewer attributes are employed and less computational resources are required.

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